

**C1 Overview of versions and applications**

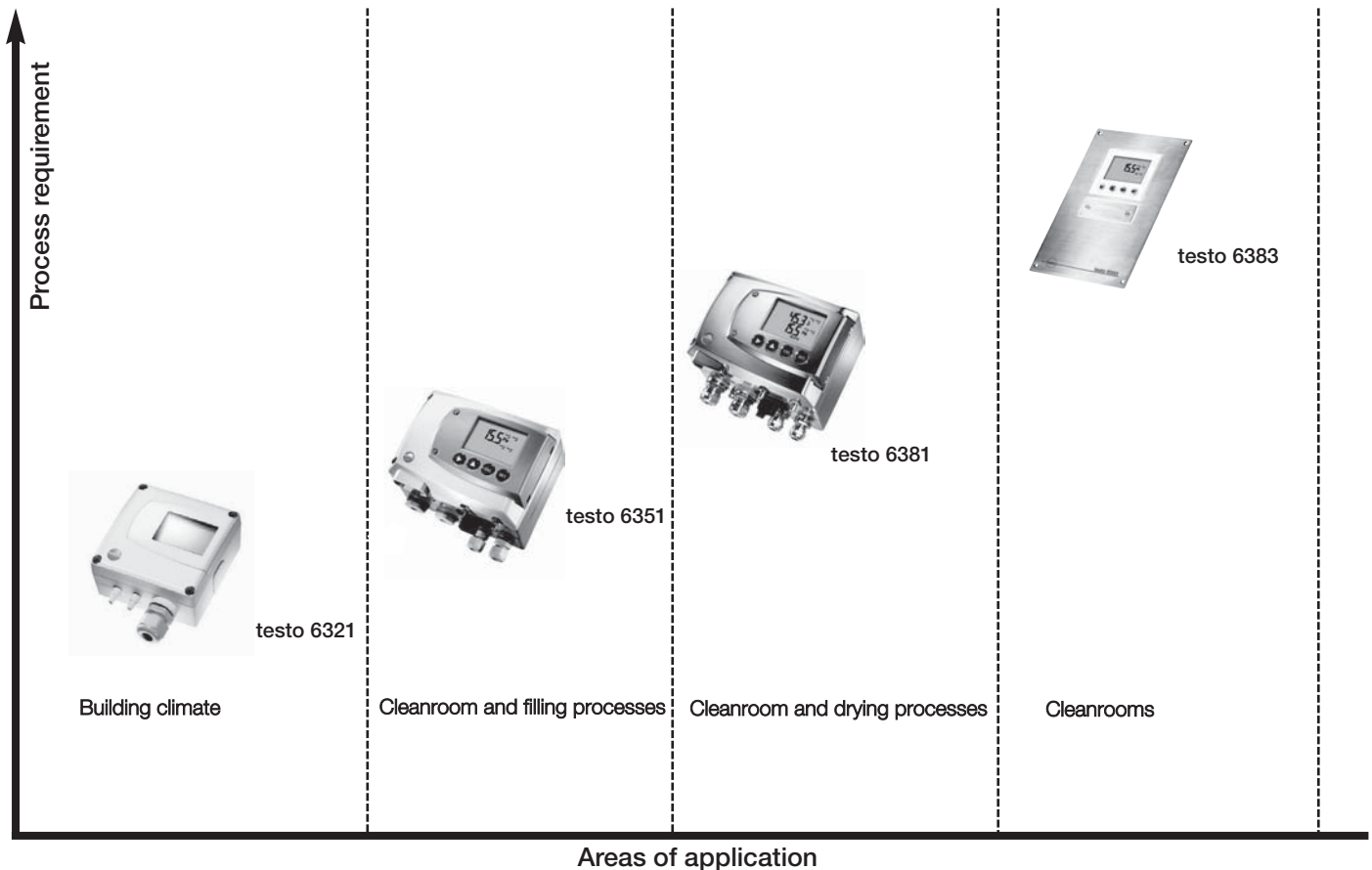
Testo offers four transmitters for the stationary measurement of differential pressure. The following is a rough allocation of the transmitters to segments. Each transmitter is then described in detail.





The transmitters are designed for demanding applications in cleanrooms, in drying processes and in building climate.

As a rule, pressure sensors are subject to a temperature and time-dependent drift, which can have a negative effect on the measurement results, and thus also on the processes. In order to avoid this drift, the new Testo transmitters for differential pressure carry out a cyclic automatic zero-point adjustment. This guarantees

high precision and long-term stability. Testo also offers the cleanroom-conform panel version testo 6383 and the industrial version testo 6381 as special models, both of which can additionally measure temperature and humidity.

The following overview shows the Testo-developed differential pressure transmitters:



	testo 6321 	testo 6351 	testo 6381 	testo 6383 
<b>Parameter</b>	Differential pressure	Differential pressure, flow velocity, volume flow	Differential pressure, humidity/pressure (optional), flow velocity, volume flow	Differential pressure, humidity/temperature
<b>Meas. range selectable between..</b>	100 Pa to 2000 hPa	50 Pa to 2000 hPa	10 Pa to 1000 hPa	10 Pa to 10 hPa
<b>Housing</b>	Plastic housing	Plastic housing	Metal housing	Flat stainless steel housing (panel design)
<b>Networking via Ethernet</b>	—	Integration of transmitter in existing system. Integration of transmitter in measurement data monitoring system, such as testo Saveris	Integration of transmitter in existing system. Integration of transmitter in measurement data monitoring system, such as testo Saveris	Integration of transmitter in existing system.
<b>Area of application</b>	<b>Building climate:</b> Industrial and commercial buildings, e. g. in production and storage Office and administrative buildings salesrooms and exhibition halls, museums and libraries, schools, hotels, hospitals etc.	Differential pressure monitoring in filling processes  Critical air conditioning technology (VAC systems)	Differential pressure monitoring in filling processes, spray-painting plants  Differential pressure monitoring between cleanrooms (optional: simultaneous measurement of temperature and humidity)	Differential pressure monitoring in cleanrooms (testo 6384 only: simultaneous measurement of temperature and humidity)
<b>Usual installation site in cleanroom</b>	Not for use in cleanrooms	Normal zone or outside zone	Normal zone or outside zone	Critical zone: Flush installation in cleanroom wall